

(Insert Date)

Clear Water Team
C/O Weiss Construction Company
400 Renaissance Center, Suite 2170
Detroit, MI 48243

Attention: (b)(6), (b) (7(b))
(C) (6)

**Regarding: DWSD Contract Number DWS-844A
Security System Upgrade
Request For Proposal (RFP) For Perimeter Security Systems**

The Detroit Water and Sewerage Department (DWSD) invites you to submit a proposal for the provision of perimeter security systems at the Water Works Park, Lake Huron, Springwells, Southwest, and Northeast water treatment facilities.

The perimeter security detection system shall consist of a new fence sensor system interfacing with the existing Lenel security system. The perimeter detection system shall include all ancillary work including, but not limited to, provision of Lenel boards, programming, presets for existing cameras, all required site work including fence repairs and restoration of sites at the completion of work. Following the successful testing of the new system, Weiss shall provide as-built drawings, O&M Manuals, and all other record documentation related to the new system. The design of the fence sensors, where used on an ornamental fence, shall be approved by the fence sensor manufacturer. Include warning signs mounted to the fence per the requirements of the Contract. Finally, the new system will include a two (2) year maintenance contract for the new systems installed. All sites shall be confirmed by actual site measurement and detailed design by Weiss. All applicable provisions of the Contract shall apply.

General

- Provide new "No Trespassing" signs to meet DWSD-844A specification.
- Provide a perimeter detection system across the vehicle gate similar to pump stations under DWS-844A.
- New vehicle gate operators are not required at any stations.
- All security connections shall be made to guard stations.

The detailed breakdown of the individual sitework is as follows.

Lake Huron WTP

- The outriggers supporting the barbed wire shall be reversed so they face inside DWSD property. This is required of all perimeter fences.
- Most of the fence posts on all sides of the property have heaved. The contractor shall salvage and lower the existing posts or install new posts at the proper height.
- On the north fenceline, the fabric shall be secured across the bottom of the three culverts. There are two culverts at the main entrance and another culvert in the middle of the north fenceline.
- The bottom tension wire shall be pulled tight and misaligned poles shall be straightened along the north fenceline.

- The fence fabric shall be lowered to within two inches of grade along the west fenceline and the bottom tension wire shall be pulled tight. The existing gate on the west side shall be lowered to within six inches above grade.
- Relocate existing guy wires on the west fence line to prevent a potential intruder from gaining access to the site.
- A new security fence running east-west shall be installed to divide the site along the access road between the reservoir and the lagoons. This fence shall extend across the entire width of the site. Two maintenance swing gates shall be installed in the new fenceline at field location determined by DWSD personnel.
- Vegetation on DWSD property near all existing fences shall be cleared as required to perform the work.
- A portion of the east fenceline has been temporarily removed for work being performed under contract (NUMBER); all security installation work shall be coordinated with other contractors at site.

Springwells WTP

- A bottom rail shall be installed on all perimeter chain link fencing. All barbed wire outriggers facing the outside of DWSD property shall be reversed to face inside. All fence posts found not to be plumb shall be replaced or straightened to be plumb. The existing top rail is too small and shall be replaced to comply with DWSD standards.
- Posts on the southern ornamental fenceline with minor damage shall be replaced; four pieces only.
- The southern 310' of the eastern fenceline has heaved and shall be removed and reinstalled to the proper height (8' – 0"). Vegetation on the northern 240' of the east fenceline shall be removed.
- The entire northern 2140 lf of the fenceline shall be replaced. The top rail and posts are too small and shall be replaced to comply with DWSD standards. The eastern part of the fence that runs north-south is in a ditch/swale that has walls of two feet thickness on both sides of the fence.
- Provide a power outlet at the Guard House.
- The western portion of the fenceline is in good condition and needs only minor repair to the mesh and posts. Vegetation growing on the fenceline shall be removed.

Southwest WTP

- A bottom rail shall be installed along the entire chain link fence. Barbed wire outriggers facing the outside of DWSD shall be reversed to face inside. The fence posts shall be plumbed.
- The southern portion of the fenceline is in a low area and most of the posts have heaved. There is a gap of up to nine inches between the grade and bottom of the mesh. The fabric shall be lowered or replaced to reduce this gap to no more than two inches. Replace the heaving posts and the barbed wire strands with new.
- Repair mesh, add a bottom rail and straighten the posts on the north and east perimeter fencelines.
- The west side fenceline is the right-of-way fence for I-75 and ownership of the fence shall be verified in writing prior to construction. The mesh for this fence line is placed on the inside face of the posts and shall be moved to the outside. The barbed wire positioned outside of the fence shall be reversed to face the inside of DWAD property. The majority of the fence is in danger of sliding into the nearby river and shall be replaced and relocated away from the river slope; 870' of total replacement is required on this side.

Water Works Park WTP

- The entire chain link fence has no bottom rail. Barbed wire outriggers facing the outside of DWSD property shall be reversed to face the inside of the property. The fenceline shall be adjusted to be plumb.
- The north side ornamental fence is in good condition. Replace all bent posts.
- The east side chain link fenceline has overstretched mesh that results in an overall fence height six inches less than the standard height and shall be replaced to comply with DWSD standards. Toward the south end of the east fence there are lampposts at 100' spacing one foot from the fenceline. Some of the lampposts are used as fence posts. Remove the fabric from the lampposts and reinstall on new fenceposts. Reverse all barbed wire outriggers facing outside the property to face inside the property.
- The south fenceline is rusted and shall be replaced except for the newer fence that shall be repaired as needed. Barbed wire and outriggers facing outside of the property shall be reversed to face inside.
- The western fenceline at the southern side has an adjacent property elevation of one foot higher. A taller fence is needed for approximately ninety feet. Another 120' midway in the fenceline shall be replaced. The north end of the western fenceline is completely engulfed in vegetation. Upon removal of the vegetation, a determination will be made regarding the necessary fence repairs or replacement. It is assumed that this portion of the existing fencing will be replaced. The remainder of the fence requires repair and plumbing. There is also a building present that acts as the fence for a portion of the fenceline.

Northeast WTP

- The fence has a bottom rail but no top rail. The barbed wire extends outside of DWSD property; twenty percent of the bottom rail needs repair.
- The 560' of the south fenceline shall be replaced.
- The bottom rail of the eastern portion of fence running north-south is buried for most of the length and an adjacent property elevation of 1' – 2' higher. A new 8' DWSD security fence shall be placed directly next to the existing (260 lf).

Belle Isle Intake Structure

Place new motion detectors and one pan-tilt-zoom (PTZ) camera; connect to the existing microwave system.

Please submit the requested quotation to DWSD on or before January 31, 2006 for review and further action. If you have any questions, please call (b)(6), (b) (7)(C).

Very truly yours,

(b)(6), (b) (7)(C), P.E.
Head Engineer-Field Engineering

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Suspense File / Master File